



Australian Bureau of Statistics

CensusAtSchool Australia

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Resources



CasQ 35A – Drawing a Box and Whisker of Foot Length

You can download this activity as a rich text file (RTF) using the link at the bottom of the page.

The following random sample of foot lengths was obtained using the CensusAtSchool random sampler:

Q12. Right Foot (cm)

Female	23	23	20	22	23	23	23	25	22	21	24	24	22	24	23	21	26	24	21	23	23	24
Male	25	25	25	25	26	30	28	22	28	26	23	23	27	29	26	23	26	23	23	24	30	27
	27	27	90	27	22	28																

Task:

1. Use the space below to rewrite the data in ascending order.

Female:

Male:

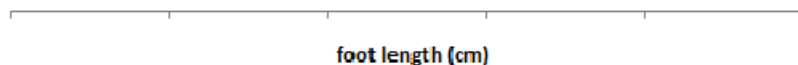
2. Show the 5 figure summary statistics (min, Q1, med, Q3, max) in the table below.

	min	Q1	med	Q3	max
Female					
Male					

3. Use an appropriate scale to draw parallel box and whisker plots on the number line below. Consider any possible outliers **and** be prepared to explain whether or not they should be included in the data.

Female

Male



4. Comment on the significant similarities and differences for male and female foot length.

Extension:

5. Visit the CensusAtSchool website and collect your own random sample. Use the sample to construct another set of parallel box and whisker plots to compare with the one above.

Note: CASQ 35B follows on from this lesson.

Download the full activity:

RTF

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